

IDR RID Report

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Originator Chris Lynnes/Drew Riggs

Phone No 301-286-2260/301-79
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Organization GSFC DAAC/CSC/GSFC/Landsat 7 Ground System

E Mail Address lynnes@daac.gsfc.nasa.gov/Donald Riggs@SEAS-SPO

Document IDR

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Section

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Figure Table

Category Name DAAC Operations

Actionee ECS

Sub Category

Subject Full life cycle cost of DBMS heterogeneity

Description of Problem or Suggestion:

The addition of Illustra to Release B increases M & O costs. An Illustra expert is likely required to administer it. His/her Sybase counterparts need some Illustra training to back him/her up (or 2 experts are required.) Two sets of administration procedures may be required. Two DBMS wrapper implementations must be maintained. An additional one-time cost will be required to migrate Release A schema and metadata to Release B.

Originator's Recommendation

Compute the difference in total life cycle cost between Sybase-only and Sybase/Illustra solutions, including differences in M & O cost, licensing, software maintenance (both COTS and developed wrapper code) and one-time migration costs, so that the ratio of total cost to functional benefit can be assessed.

GSFC Response by:

GSFC Response Date

HAIS Response by: Jan Dreisbach

HAIS Schedule 11/15/95

HAIS R. E. Jan Dreisbach

HAIS Response Date 11/20/95

In the timeframe CDR, HAIS will provide to ESDIS the validation process used to make the final COTS DBMS selection for the Science Data Server metadata in Release B. If the validation process confirms the choice of Illustra, then comparative costing will also be briefed for a Sybase-only and the Sybase/Illustra solution. Specifically, differences in M&O cost, licensing, software maintenance (both COTS and developed wrapper code) and one-time migration costs, so that the ratio of total cost to functional benefit can be assessed.

Status Closed

Date Closed 01/16/96

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***** Attachment if any *****